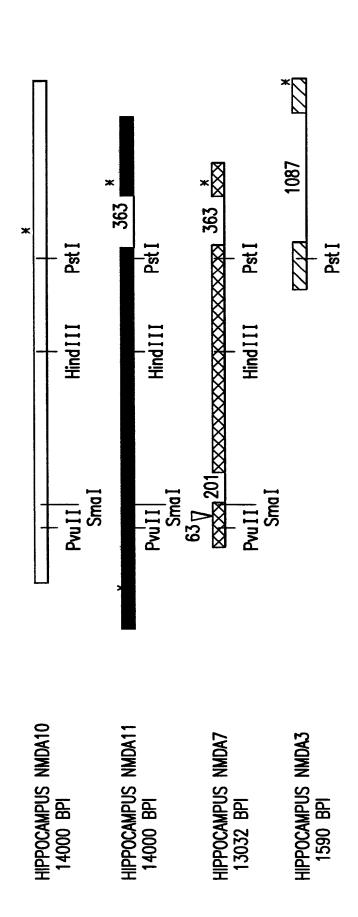
HUMAN NMDAR1 cDNAs



ф 4000 3000 2000 1000 FIG. 1 -500

## HUMAN NMDAR1A CONSTRUCTS

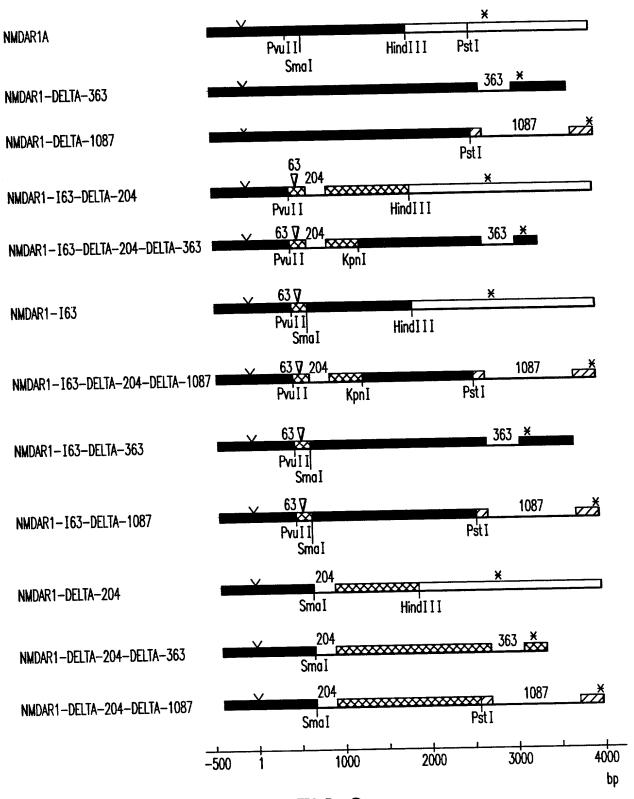


FIG.2



## NUCLEOTIDE SEQUENCE OF THE HUMAN NADARIA RECEPTOR

ccttcctc ggccgacgtc ccgggaccgc cgctccgggg gagacgtggc gtccgcagcc cgcggggccg ggcgagcgca ggacggcccg gaagccccgc ccagecagge giteggaget gigeceggee eegeticage accgeggaca gegeeggeeg egiggggeig agegeegage eecegegeae geticageee - START 101

gggggatgeg cegagggece egegttegeg cegegaagag ceaggecege ggecegagec eATGAGCACC ATGCGCCTGC TGACGCTCGC CCTGCTGTTC TCCTGCTCCC TCCCCCCTGC CGCGCGAC CCCAAGATCG TCAACATTGC CGCGTGCTG AGCACGCGGA AGCACGAGACA GATGTTCCGC GAGGCCGTGA CCCTCTCCCA SGACCTCATC TCCAGCCAGG TCTAGGCCAT CCTAGTTAGC CATCCACCTA CCCCAAGGA CCACTTCACT CCCACCCTG TCTCCTACAC AGCCGGCTTC TACCECATAC COGTECTOSE GCTGACCACC CSCATGTCCA TOTACTOSGA CAAGAGCATC CACCTGAGCT TOCTGCGCAC CSTGCCGCCC TACTCCCACC ACCAGECCAA CAAGCGGCAC GGCTCCTGGA AGATTCAGCT CAATGCCACC TCCGTCACGC ACAAGCCCAA CGCCATCCGG ATGGCTCTGT 501 301

AGTCCAGGGT GTGGTTTGAG ATGATCCGTG TCTACAGGTG GAACCACATC ATCCTGCTGG TCAGGGAGGA CCACGAGGGC CGGGCGGCTC AGAAACGCCT Pvu II 101

GCACACICTE CTGGAGGAGC GTGAGTCCAA GCCAGAGAAG GTGCTGCAGT TTGACCCAGG GACCAAGAAC GTGACGGCCC TGCTGATGGA GGCGAAAGAG -63 bp INSERT 8

CTGCAGGÓCC GGÓTCATCAT CCTTTCTGCC AGCSAGGACG ATGCTGCCAC TGTATACCGC GCAGCCGCGA TGCTGAACAT GACGSCTCC GGGTACGTGT

GECTGETCSC CSASCECCSAG ATCTCGGGGS ACCCCTGCC CTACECCCCA GACGCCATCC TCGGGCTGCA GCTCATCAAC GGCAAGAACG AGTCGGCCCCA

CATCAGOGAC GCCGTGGGCC TGGTGGCCCA GGCGTGCAC GAGCTCCTCG AGAAGGAGAA CATCACCGAC CCCCCGCGG GCTGCGTGG GCTGCGTGG CAACACCAAC ATCTGGAAGA CCGCGCCGC CTTCAAGAGA GTGCTGATGT CTTCCAAGTT CTTCCAAGTT CTTCCAAGTT GCGCAGGA GTGACTGGT GGGACCGGA AGTICCCCAA CTACAGCATC ATGAACCTGC AGAACCSCAA GCTGGTGCAA GTGGGCATCT ACAATGGCAC CCACGTCATC CCTAATGACA GGAAGATCAT

T KPN 14 CTGGCCAGGC GGAGAGAGA AGAGGTACCAG ATGTCCACCA GACTGAAGAT TGTGAGGATC CACCAGGAGC CCTTGGTGTA CGTCAAGGCC

ACCCTGAGTG ATGGGACATG CAAGGAGGAG TTCACAGTCA ACGCCGACCC AGTCAAGAAG GTGATCTGCA CCGGGCCCAA CGACACGTCG CCGGGCAGCC CCCGCCACAC GGTGCCTCAG TGTTGCTACG GCTTTTGCAT CGACCTGCTC ATCAAGCTGG CACGGACCAT GAACTTCACC TACGAGGTGC ACCTGGTGGC AGACATGATC **AAGGAGATTC** GCCTGACTAT TCTGGTCAAG GATGATGGGC GACCTCCTCA GCGGCCAGGC GTGGCGCCGC TAACCATAAA CAACGAGCGC GCCCAGTACA TCGAGTTTTC CAAGCCCTTC AAGTACCAGG TTGGGCACAC AGGAGGGGT GAACAACACC AACAAGAAGG AGTGGAATGG AGATGCCAAG 1601 188

TGTACCTGCT

GECTETOGET CCACGTGGTG GCCGTGATGC ACTGACCCTG TCCTCGGCCA TGTGGTTCTC

FIG.3A

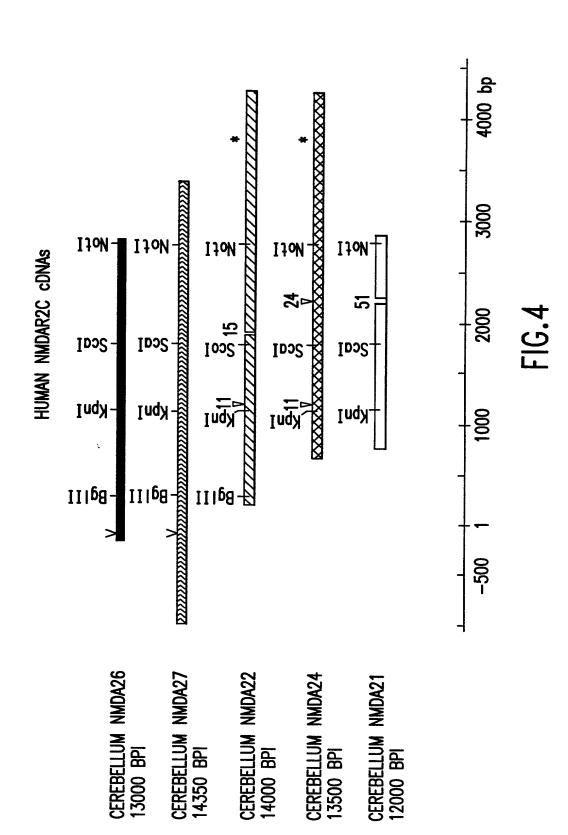
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GCTGGACTCG TTCATGCAGC CGTTCCAGAG CACACTGTGG CTGCTGGTGG

CCCGCAGCAC

									—363 bp Deletion						— 1087 bp Deletion								
	GTGGCCTCCT	ACAAGTTTAT	CTACGAGAGT	TGCGACCTGG	TCAAGTCCCA	TGAGAACATG	CCCCCCAAGC		<b>AAGCCACATT</b>	AAACCAAAAA	gccctcctct	caccccadc	acgggcgcct	tgaggcccc	gactgcccac	gggcagagct	gcggaggggc	tegggegeet	ggctggcgct	ctcctctcct	cdddadadcd	tccccgtgcg	atgtcacg
HindIII	CTECTCAACT CCGCCATCGG GGAAGGCGCC CCCAGÁAGCT TCTCAGCGCG CATCCTGGGC ATGGTGTGGG CCGGCTTTGC CATGATCATC GTGGCCTCCT	IGGACCGCC GGAGGAGCGC ATCACGGCCA TCAACGACCC TCGCCTGAGG AACCCCTCGG ACAAGTTTAT	ATCTACTTC CSGCSCCAGG TGGAGCTGAG CACCATGTAC CSGCATATGG AGAAGCACAA CTACSAGAGT	SCGCCGGAGG CCATCCAGGC CSTGAGAGAC AACAAGCTGC ATGCCTTCAT CTGGGACTCG GCGGTGCTGG AGTTCGAGGC CTCGCAGAAG TGCGACCTGG	ITCCSCICOS GCTICOSCAT AGGCATGCCSC AAAGACAGCC CCTOGAAGCA GAACSICICC CTGTCCATCC TCAAGICCCA	CCCTTACTTT	GCCGGGGTCT TCATGCTGGT AGCTGGGGGC ATCGTGGCCC GGATCTTCCT GATTTTCATC GAGATTGCCT ACAAGCGGCA CAAGGATGCT CGCCGGAAGC		AGATGCAGCT GECETTIGCE GECETTAACS TOTGGGGGAA GAACČTGCAS GATAGAAAGA GTGGTAGAGE AGAGCETGAE CETAAAAAGA AAGCCACATT	TAGGECTATE ACCTECACE TESETICEAS CTICAAGAGE CSTAGGICCT CCAAAGACAC GAGCACCGG GGIGGACGC GIGCTITGCA AAACCAAAAA	GACACAGTEC TECCECCACE CECTATTEAG AGGEAGGAGE ECCAGCTECA ECTETITIC CETCATAGGE AGACGTEAJGA etecegece geeteetet	obsocoop de de de de la constanta de la consta	cgtggggcta	tgtctgtgta tttctatttt gcagcagtac catcccactg atatcacggg cccgctcaac ctctcagatc cctcggtcag caccgtggtg ltgaggcccc	ggaggegece acetgeceag ttagecegge caaggacact gatgggtect getgeteggg aaggeetgag ggaageecae eegeeceaga gaetgeecae	ccigggecte cogtecgice gecegeceae ecegetgeei ggegggeage ecetgeigga ecaaggigeg gaeeggageg geigaggaeg gggeagagei	gagteggetg ggeagggeeg eagggegete eggeagagge aggeeectigg ggtetetgag eagtggggag egggggetaa etgeeeceag geggagggge	tegeceetee	cacacdccdd	gocotococo aeggoogtoo etgaettooo agetggoago gootocegoo gootogggoo gootoctooa gaategagag ggetgagooo etoototoot	cgtecggeet geageacaga agggggeete eecggagggte eecggacget ggetegggae tgtetteaae eetgeeetge aeettgggea egggagageg	gegigaceg accedecace itgiaceagaa ceageacice cagage <u>cega</u> gegegigeei icecegigeg	cagoogogot otgocootoo gtooocaggg tgoaggogog cacogoocaa ooocaooto ooggtgtatg cagtgg <u>tga</u> t gootaaagga atgtoaog
	CCGCCTTTGC	TCGCCTGAGG	CGCCATATGC	AGTTCCAGCC	CAACCTCTCC	GCCCCTGCCA	ACAAGOGGCA		AGAGCCTGAC	GGTGGACGCC	<b>AGAGCTGAga</b>	ccacgaggtc	gtgccccag	cctcggtcag	agaagccac	daccddadcd	cgggggctaa	gctggctggg	ccttgacgc	gaatcgagag	cctgccctgc	ინააანნნდა	cagtagtaat
	ATGCTGTGG	, TCAACGACCC	CACCATGTAC	6006T6CT66	: CCTGGAAGCA	CCAGAATGSC TTCATGGAAG ACCTGGACAA GAGGTGGGTT CGGTATCAGG AATGTGACTC GCGCAGCAAC GCCCTGCGA CCCTTACTTT TGAGAACATG	CACATTCCCT		GTGCTAGAGC	GAGCACCGGG	CCTCATAGGG	pobabboooo	ენენეეეენ <u>ნ</u>	ctctcagatc	aaggectgag	ccaaggtgcg	cagtggggag	catggcccca	ccccgtctgc	gcctcctcca	tgtcttcaac	ccagcactcc	ccggtgtatg
	CATCCTGGGC	: ATCACGGCCA	; TGCAGCTGAG	. CTGGGACTCG	: AAAGACAGCC	: AATGTGACTC	CATTITICATIC		CATACAAACA	CCAAAGACAC	CCTGTGTTCC	ccacdcadad	acccatcc	ccgctcaac	gctgctcggg	cctgctgga	ggtctctgag	cagtagagcc	DODDDOODOO	gcctcgggcc	ggctcgggac	ttgtacagaa	ccccacctc
	TCTCAGCGCC	: GCAGCAGCCC	COCCCCAGG	: ATGCCTTCAT	AGCCATGCCC	CCCTATCACC	GCATCTTCCT	Pst 1	( CAACCTGCAG	CCTAGGTCCT	CCCAGCTGCA	ენნებენენენ	: tggccggtcc	atatcacggg	gatgggtect	oboobboobb	aggcccctgg	gcctgagcca	ენეთენტენ	gcctcccgc	ccagacact	၁၁၀၁၁၁၁၁၁၁၁၁၁	ppooppoopo
	CCCAGAAGCT	_	I TATCTACTTO	: AACAAGCTGC	CCTTCCCCAI	A CACCTGGGTI	: ATCCTGGCCC		: TCTGCGGGAA	CTTCAAGAGG	AGGGAGGAGG	: agacagaaca	gttggccggc	: catcccactg	caaggacact	cccgctgcct	cagcagaagc	boobcocc	ccctcttctt	agctggcago	cccgggggtc	tgcgtgaccg	facagacaca
	GCAAGGCCCC	TICCTGGTGC I	CTACCCCACC GTGAAGCAGA GCTCCGTGGA	COTGAGAGAC	TTCCCCTCCC	3 ACCTGGACA	r Acctggggg		CCCCTTAACC	: TGCCTTCCAG	CCCTATTGAG	gococotoco cogragacag acagacagac g	ວິວວິວວວວວວ :	. gcagcagtac	ttagcccggc	accedeceae	cagggcgctc	: ccatcettee	l ctccacceto	: ctgacttcc	agggggcctc	ccacccacc accccacc teactccaga te	: gtcccaggg
	COGGCATOGG	CCTGGGGGCC	GTGAAGCAGA	CCATCCAGGC	ICACCACTGC ACACCTCTTT	: TTCATGGAAG	TCATGCTGGT		COCCTITICC	: ACCTCCACCC	TGCCGCGACG	ccacadacad	ctgcgcctgc	tttctattt	acctacccag	ccgtccgtcc	dacadaacca	aacddcadc	gcaacctaaa	acggccgtcc	acadcacada	၁၁၁၆၁၁၁၁၁၆	ctdcccctcc
	CTGCTCAACT	ACACCCCCAA	CTACCCCACC	GCGCCCGAGG	TGACGACTGG	CCACAATGGC	6006666101		<b>AGATGCAGCT</b>	TAGGCCTATC	GACACAGTGC	gcccctcc	ctccccagg	tgtctgtgta	ეეენენიტენი	cctgggcctc	gagtcggctg	t t ggagcaga	gegeteetet	gccctcccc	cgtccggcct	ວວວີວວວວວວ	cageegeat
	2101	2201	2301	2401	2201	2601	2701		2801	2301		3101	3201	3301	3401	3501	3601	3701	3801	3901	<del></del>	4101	4201

FIG.3E



## CONSTRUCTION OF THE FULL-LENGTH HUMAN NMDAR2C cDNAs

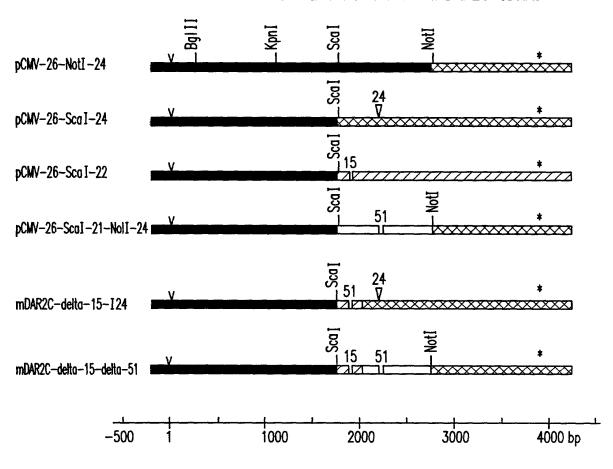


FIG.5

